

19990610.qrp v01\_n484.qrl.990610

Date: Thu, 10 Jun 1999 19:03:20 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1484

### QRP-L Digest 1484

Topics covered in this issue include:

- 1) [42398] Re: QRP Kit Specs, a suggestion how the ARRL can Contribute to QRP  
by Clay N4AOX <wyn@worldnet.att.net>
- 2) [42399] New to the list and QRP  
by lyle w murphy <lylem007@juno.com>
- 3) [42400] Re: [42397] Re: K2 Portable in Switzerland  
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 4) [42401] NC20 Mods  
by Larry East <w1hue@amsat.org>
- 5) [42402] Re: W8MVN Antenna Article  
by Jay Bromley <w5jay@alltel.net>
- 6) [42403] QRP discussion list  
by randy cornelison <randyc@tsixroads.com>
- 7) [42404] FS or Trade Triton IV Station  
by "Tim Cook" <timcook@erinet.com>
- 8) [42405] Re: QRP discussion list  
by "John J. McDonough" <jjmcd@tm.net>
- 9) [42406] NON-QRP .. GPS info  
by malman@world.std.com (Joel Malman)
- 10) [42407] Re: [Elecraft] K2 Portable in Switzerland  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 11) [42408] Re: NON-QRP .. GPS info  
by Roger Hightower <n7kt@earthlink.net>
- 12) [42409] Free stuff: Dials  
by sigcom@juno.com
- 13) [42410] Wire rope 20mtr yagi  
by hamjoel@juno.com
- 14) [42411] RE: SGC-2020  
by "Mike Pupeza" <mpupeza@csolve.net>
- 15) [42412] Re: NON-QRP .. GPS info  
by "Richard Brummer" <obvious@bestweb.net>
- 16) [42413] help (was Re: business opportunity)  
by David Hinerman <wd8civ@worldnet.att.net>
- 17) [42414] For Sale Index Labs QRP++  
by K4ZM@aol.com
- 18) [42415] Re: NON-QRP .. GPS info  
by Bill & Merleigh Jones <kd7s@psnw.com>
- 19) [42416] Re: Large format photographs?

- by Michael C Boatright <ko4wx@mindspring.com>
- 20) [42417] speaking of coordinates  
by David Hinerman <wd8civ@worldnet.att.net>
- 21) [42418] Non-QRP: GSP  
by malman@world.std.com (Joel Malman)
- 22) [42419] Re: [42397] Re: K2 Portable in Switzerland  
by Kenneth R Wezeman <n9qil@juno.com>
- 23) [42420] made 1K/M/W AT 5W  
by hamjoel@juno.com
- 24) [42421] Re: NON-QRP .. GPS info  
by "Frank Emens" <femens@advicom.net>
- 25) [42422] AR QRP 40m net tonight  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 26) [42423] MFJ-118 Digital Clock Review  
by "Chuck Adams K5F0" <adams@ticnet.com>
- 27) [42424] sgc-2020  
by "Kory Hamzeh" <kory@avatar.com>
- 28) [42425] VE3DNL Marker/Generator FSQC kit  
by Jay Bromley <w5jay@alltel.net>
- 29) [42426] Rev. Dobbs stops at the Fort  
by Jay Bromley <w5jay@alltel.net>
- 30) [42427] Re: NON-QRP .. GPS info  
by mwattcpa@earthlink.net (Marty Watt)
- 31) [42428] Caltech's course on radio  
by iapizloj@biccc00.bi.ehu.es (Jon Iza)
- 32) [42429] Re: Free stuff: Dials  
by "Paul Helbert, Wv3j" <phelbert@rica.net>
- 33) [42430] DSW-series availability  
by Bensondj@aol.com
- 34) [42431] Small Wonder Labs DSW-40 Availability  
by "Tom Moll" <tomm@xata.com>
- 35) [42432] Re: Free stuff: Dials  
by Bob Patten <n4bp@bc.seflin.org>
- 36) [42433] Re: Caltech's course on radio  
by Michael Maiorana <mikemo@ibm.net>
- 37) [42434] Re: Free stuff: Dials  
by wd8civ@att.net
- 38) [42435] Re: Free stuff: Dials  
by Terry Bendell <terryb@bmts.com>
- 39) [42436] Re: MFJ-118 Digital Clock Review  
by "Bryan Turner" <turnerw@email.uah.edu>
- 40) [42437] K2 Portable in Switzerland  
by Jerry Henshaw <jhenshaw@bellsouth.net>
- 41) [42438] copper clad laminate..  
by sergio <sruiz@bright.net>
- 42) [42439] DSW40  
by "Hans =?ISO-8859-1?Q?Sundstr=F6m"?= <hans.sundstrom@telia.com>
- 43) [42440] RE: SG2020

- by Larry East <w1hue@amsat.org>
- 44) [42441] WTB:Menu Keyer  
by ac6ts@n2.net (John Williams)
- 45) [42442] Re: K2 Portable in Switzerland  
by Phil Wheeler <w7ox@mindspring.com>
- 46) [42443] Re: Rev. Dobbs stops at the Fort  
by Ron Stark <ku7y@dri.edu>
- 47) [42444] RE: Antenna question  
by Sam Billingsley <SBillingsley@usaninc.com>
- 48) [42445] Re Speaking of S&S Engineering  
by Joseph Mikuckis <k3chp@erols.com>
- 49) [42446] NC20 cheap fix mods  
by "Toru Kato" <jg1rvn@inv.co.jp>
- 50) [42447] Fw: VE3DNL Marker/Generator FSQC kit  
by william h ross <k6mgo@juno.com>
- 51) [42448] White Mountain QRP SSB kit opinions?  
by John Harper AA5YX/2 <aa5yx@juno.com>
- 52) [42449] Re: AW: 2020  
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 53) [42450] Re: MFJ-118 Digital Clock Review  
by Scott Howell <whowell@hq.nasa.gov>
- 54) [42451] DSW40 Review by K5F0  
by "Chuck Adams K5F0" <adams@ticnet.com>
- 55) [42452] Sierra Tuning  
by Brad Mugleston <bmug@gwl.com>
- 56) [42453] New Products at Morse Express  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 57) [42454] Re: MFJ-118 Digital Clock Review  
by Karl.Kanalz@optelinc.com
- 58) [42455] K2 >>> Super K2 !!!!!  
by Bob Kellogg <ae4ic@nr.infi.net>
- 59) [42456] Re: NC20 cheap fix mods  
by George F Franklin <w0av@juno.com>
- 60) [42457] Email via HF Packet  
by Ron Stark <ku7y@dri.edu>
- 61) [42458] Field Day Listings - Update  
by "Bill Todd" <bill@willapabay.org>
- 62) [42459] AR 40m Net Results  
by Robsparks@aol.com
- 63) [42460] Re: K2 >>> Super K2 !!!!!  
by wd8civ@att.net
- 64) [42461] FIELD DAY ANTENNA  
by ARDUJENSKI@aol.com
- 65) [42462] Re: MFJ-118 Digital Clock Review  
by James Skalski <jskalski@localnet.com>
- 66) [42463] Re: MFJ-118 Digital Clock Review  
by James Skalski <jskalski@localnet.com>
- 67) [42464] Re: MFJ-118 Digital Clock Review

- by dfirlik@juno.com
- 68) [42465] Re: Email via HF Packet  
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 69) [42466] FS: LDG Electronics AT-11 Auto. Antenna Tuner  
by mahlon.r.haunschild@ac.com
- 70) [42467] Re: ElmeRadio (Regen)  
by Bruce Kizerian <kizerian@ced.utah.edu>
- 71) [42468] Results of the JUNE SPARTAN SPRINT  
by "Russ Carpenter" <russ@natworld.com>
- 72) [42469] SOLD! LDG Electronics AT-11 Auto. Antenna Tuner  
by mahlon.r.haunschild@ac.com
- 73) [42470] copper clad laminate  
by "Ian C. Purdie" <purdic@integritynet.com.au>

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Date: Wed, 09 Jun 1999 19:08:55 -0400  
From: Clay N4AOX <wyn@worldnet.att.net>  
To: ki6ds@dpol.k12.ca.us  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42398] Re: QRP Kit Specs, a suggestion how the ARRL can Contribute to QRP  
Message-ID: <375EF407.4B60@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hendricks, Doug wrote:

>  
> what would it take to get the ARRL to measure the specs on the kits?  
> How about if each kit manufacturer sent a built kit to the league for  
  
> Now, if we could get the ARRL to start by testing the following kits, we  
> would have a very valuable piece of literature.  
>  
> I invite your comments. 72, Doug

Hi Doug,

I think the chances would be better if you or NORCAL bought the radios, built the kits, did the performance tests, then sent the results to ARRL to be published. Anything less would probably reduce the chances of getting the ARRL to publish the results.

72/73,  
Clay N4AOX

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Date: Wed, 9 Jun 1999 18:38:53 -0700  
From: lyle w murphy <lylem007@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [42399] New to the list and QRP  
Message-ID: <19990609.184018.-1011423.0.lylem007@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello all,

I just got on this list. So I'll introduce myself.  
I have just gotten interested in amateur radio and am studying for  
the Novice test now. I am learning all the jargon assoc. with the new  
hobby.  
I have a couple of questions though: I see the reference to communication  
clarity as 599 or such. Is this an SIO or SINPO kind of thing (mainly  
used in CW  
I guess.)?

Also I have no \$\$\$, so I will be building my antenna and rec. and trans.  
. I have  
schematics.

I look forward to DX'ing as a hobby on CW 40m and 15m bands. I guess  
most everyone is using the union QSL service to send cards to and receive  
from them. Are these cards used for the awards? As 'WAS' is state side  
you  
can't use the QSL union so 3rd class or 1st class mail? Is there much  
QSL card  
activity between US'ers? That could get expensive in the US!

I'm also interested in SWL'ing on commercial and country broadcasts, just  
as soon  
as I get my gear all unpacked. We just moved and all is chaos.

Best regards,  
Lyle Murphy

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Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

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Date: Wed, 9 Jun 1999 16:39:26 -0700 (PDT)  
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>  
To: nestoji@home.com  
Cc: jhenshaw@bellsouth.net, qrp-1@Lehigh.EDU  
Subject: [42400] Re: [42397] Re: K2 Portable in Switzerland  
Message-ID: <199906092339.QAA27678@netcom3.netcom.com>

Yep, as of Monday, we've got CEPT privileges. You must carry a proof of US citizenship (passport), evidence of license (apparently a copy of the license, or printout of the FCC database will do) and a copy of the Public Notice. The Notice is available in PDF format on the ARRL web site. I'm going to photoreduce mine.

Generally the CEPT format is appropriate local designator/home call. In the UK, the appropriate local designator is M0 or M1, not G0 or whatever.

Please find out the local rules and obey them. Some band segments in Europe are just enough different to get you in trouble if you're not careful.

73, doug

whose M0BPI license just became redundant, but not before I got a chance to be DX using it.

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Date: Wed, 09 Jun 1999 17:29:15 -0600  
From: Larry East <w1hue@amsat.org>  
To: qrp-1@lehigh.edu  
Subject: [42401] NC20 Mods  
Message-ID: <3.0.3.32.19990609172915.009179c0@axp1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

My NorCal 20 mods are now posted on the Minnesota QRP web site: go to <http://www.qsl.net/mnqrp> and select the link "Projects, Circuits and Hints and Kinks". They will probably also be posted on the Red Hot Radio web page for NC20 mods -- if Dave ever gets caught up with shipping "Red Hot NC20" kits! :-)

72, Larry W1HUE

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Date: Wed, 09 Jun 1999 18:48:26 -0500  
From: Jay Bromley <w5jay@alltel.net>  
To: k5zty@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42402] Re: W8MVN Antenna Article  
Message-ID: <375EFD4A.62BFC97@alltel.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Bill,

Try Sept 95 QRPp. What a signal Ernie had on 40m and I know a lot of operators will never believe he was QRP. I have one of his QSL cards and hope he is ok also. I had this booked marked in my back issues of QRPp. I have often wonder this could be my solution to improved performance in Sweepstakes? More later, I have to run for now.  
73 de w5jay..

k5zty@juno.com wrote:

>  
> Dearest Ganguer,  
>  
> There was an article printed in one of the magazines some time ago about  
> Ernie Helton, W8MVN's, phased 40 meter delta loops The front cover of  
> the Oct. '95 QRP Quarterly had a picture of the model that he brought to  
> Dayton that year but the article wasn't in that issue.

-----  
Date: Wed, 09 Jun 1999 18:56:38 -0500  
From: randy cornelison <randyc@tsixroads.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42403] QRP discussion list  
Message-ID: <375EFF35.8108694A@tsixroads.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Greetings from Hot N.E. Ms. from Randy K5UF,  
I have just got on this list myself as qrp has always fascinated me from way back, although Im not on the air now. It seems like most of the rigs discussed on this list are mostly kit built. Guys, Ive never built anything and my confidence level is pretty low. Soldering a PL259 was always a big deal to me! So..my question is this...can these kits be put together by someone with absolutely no kit building experience? Any suggestions on a DVM (not lab grade) and perhaps a soldering station?

What kind would be good for this kind of work? Those emtech kits look nice. Could someone provide me with an updated website to order from(maybe order). Ive been at home from work now for 1 week due to knee surgery. Have really looked forward to see whats going on in the world of qrp  
73 and thanks Randy K5UF

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Date: Wed, 9 Jun 1999 20:15:52 -0400  
From: "Tim Cook" <timcook@erinet.com>  
To: "[Ten Tec] - Reflector" <tentec@contesting.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [42404] FS or Trade Triton IV Station  
Message-ID: <015f01beb2d6\$67933a40\$5b735acf@timcook.erinet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Sell or Trade:

Ten Tec Triton IV analog  
- optional noise blanker  
- optional cw filter  
- super qsk  
- PTO smooth/dial string doesn't sag  
- 100 watts on 80m to 65watts on 10m ( I have set ALC to max 70w on 80 and 60w on 10)  
- overall condition very good (a dial light is burned out) (bandswitch might be a little dirty, sometimes you need to wiggle it a little when first changing bands to make contact, only once in a while, and not all bands)

Ten Tec Model 244 Digital Readout  
- very good condition  
- works excellent

Ten Tec model 262G Power supply  
- works fine  
- good condition

Ten Tec model 241 external xtal crystal oscillator  
- exc condition  
- never used it

In use daily, have manuals for everything except the 241 oscillator



Would like to sell whole package or trade towards a Scout, or something else small like a TS-50, IC-735 for a mobile/portable rig  
Asking \$350 + shipping for the package  
Thanks  
Tim  
NZ8J

-----  
Date: Wed, 9 Jun 1999 21:06:38 -0400  
From: "John J. McDonough" <jjmcd@tm.net>  
To: <randyc@tsixroads.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [42405] Re: QRP discussion list  
Message-ID: <005701beb2dd\$80933480\$010044c0@mdp23b>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

-----Original Message-----  
From: randy cornelison <randyc@tsixroads.com>

> So..my question is this...can these kits be put together  
> by someone with absolutely no kit building experience?

Randy, some of these are more challenging than others, but let me make a suggestion...

First, buy a Pixie AND an FB40 (the FB40 now because I think they won't be available very long.) Total investment, including a crystal for the Pixie and shipping, probably less than \$30.

Build the Pixie and make it work. This is actually pretty easy stuff - making a contact is a bit tougher (especially since it's summer).

Once the Pixie is working, build the FB40. The soldering on the FB40 is a lot tougher than the Pixie, but there's less of it. Also, the FB is a transmitter only, so if your off the air time has included the loss of a receiver, you may want to get a 7.080 crystal for the Pixie. Unfortunately, this will probably cost more than the rig!

For a small investment you'll have a LOT of fun, and you'll have a better idea as to how tough a larger kit might be for you.

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr/>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----  
Date: Wed, 9 Jun 1999 21:35:32 -0400 (EDT)  
From: malman@world.std.com (Joel Malman)  
To: qrp-l@Lehigh.EDU  
Cc: k1qm@world.std.com  
Subject: [42406] NON-QRP .. GPS info  
Message-ID: <199906100135.AA09994@world.std.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Sorry for the NON-QRP question, but has anyone else noticed that the QRZ database is VERY wrong when it comes to locations? Maybe it's just my location, but it would seem that the QRZ location listing is VERY wrong.

For my call (K1QM) QRZ lists my location as 42.457 (North) by 071.3730 (West) ... At least the North and West is right (hi hi). I have checked my location with a GPS 300 (that acquired 7 satellites) and it is no where near the QRZ listing. My GPS says I am at: 42.2727 by 071.2314 ... Well I understand that GPS 300 is supposed to be at least 45 meters off, so can someone tell me if the "error" I see is within the specs? BTW: Why is the US government limiting the GPS accuracy to 45 meters (or so)?

OBQRP: I had a nice QSO with Ed (W1RFI) tonight. The TUNA TIN at 650 milli-watts sounds as good as ever! (Ed -- I did hear a very small chirp tonight... are you using the same power source as the last QSO's we had?)

--  
/joel    K1QM    Concord, MA  
QRP-L 337,    QRP-ARCI 9305

-----  
Date: Wed, 9 Jun 1999 18:51:24 -0700  
From: "Bob Tellefsen" <n6wg@earthlink.net>

To: "Jerry Henshaw" <jhenshaw@bellsouth.net>, "'QRP List'" <qrp-l@Lehigh.EDU>, <elecraft@qth.net>  
Subject: [42407] Re: [Elecraft] K2 Portable in Switzerland  
Message-ID: <01beb2e3\$bf506570\$9597b3d1@ham.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Jerry  
Sounds like a great opportunity to be DX for a change.  
I was reading something about the reciprocal agreements, and I thought you would have  
to sign as HB9/KR5L. I don't know about the Swiss regulations regarding /P.  
I know our British friends aren't allowed to use /QRP as we do.

Have a great trip.

73, Bob N6WG

-----Original Message-----

From: Jerry Henshaw <jhenshaw@bellsouth.net>  
To: 'QRP List' <qrp-l@Lehigh.EDU>; 'elecraft@qth.net' <elecraft@qth.net>  
Date: Wednesday, June 09, 1999 2:25 PM  
Subject: [Elecraft] K2 Portable in Switzerland

>Hi Gang,

>

>I will be operating portable HB9 from Montreux, Switzerland from June 11th  
>through June 16th. The new FCC rules allows easy operation in Europe!!

>So listen for me on 20 meters 14.060 + - QRM in the mornings or afternoons  
>in the states. I will be operating my K2 and signing as KR5L/HB9/P CW  
only,

>

>72's

>

>See you on 20m!!!

>

>Jerry Henshaw

> KR5L

>

>

>---

>Submissions: elecraft@qth.net

><Please note: The list server automatically rejects HTML encoded emails. >

>List Archive page: <http://www.qth.net/archive/elecraft/elecraft.html>

>Elecraft Web Page: <http://www.elecraft.com>

>  
>

-----  
Date: Wed, 09 Jun 1999 18:58:56 +0000  
From: Roger Hightower <n7kt@earthlink.net>  
To: malman@world.std.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [42408] Re: NON-QRP .. GPS info  
Message-ID: <375EB970.F7203A3D@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Any callbook coordinates are based on the Post Office serving your Zip code. That might be miles from your actual location, or you might be lucky and live right next door, :-).

--

73, de Roger, N7KT  
qrp-l #62, NorCal #1099, Zombie #006  
Mesa, AZ 85202

-----  
Date: Wed, 9 Jun 1999 19:13:51 -0700  
From: sigcom@juno.com  
To: qrp-l@Lehigh.EDU  
Subject: [42409] Free stuff: Dials  
Message-ID: <19990609.191525.-420345.2.sigcom@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The Scrounger strikes again.

Group,

I'm sure someone has posted this before, but here goes anyway. It just kills me to throw anything away that might have some use (that's why my garage looks like a junkyard).

Used to be that AOL sent their 'free' trial software on diskette. At least one could erase the disk and have something useable for free :-). Now they send it on CD, which I have been throwing away. That is until

yesterday.

IMO, these and any other old junk music or data CDs would make great dial plates for HB QRP (and other) projects. They're fairly tough and can be painted and marked (although some types of paint might attack the plastic), or possibly by using CD labling software a glue-on label could be used for the dial markings. A trial fit on a Velvet Vernier drive here at TNL worked well. A nice big dial for that HB regennie!

And how about that Sergio? What a guy! He doesn't know what he's in for :-).

That's it for now.

73.....Steve, WB6TNL

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Wed, 9 Jun 1999 22:10:01 -0400  
From: hamjoel@juno.com  
To: qrp-l@lehigh.edu  
Subject: [42410] Wire rope 20mtr yagi  
Message-ID: <19990609.221002.-299447.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi gang

well after the fiasco yesterday I went out today and put up a four element yagi wire beam for twenty meters with .2wave spacing for each element...

first station I worked 0148Z june 10.... was OM5XX .....JOHN .... 3930 miles away...

I got a 44 and he was a true s9 here.... my antenna is pointed up pretty much but I'm too tired to level it out today..... the coax is on the back side of center on the dowels.... :-)

oh this was a ssb contact on 14.240.... my cajun mama is all excited that I almost got that "Hungary" country... she wants to send some crawfish there....

c u

joel kella

maine

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.  
-----

Date: Wed, 9 Jun 1999 22:15:25 -0400  
From: "Mike Pupeza" <mpupeza@csolve.net>  
To: <qrp-1@lehigh.edu>  
Subject: [42411] RE: SGC-2020  
Message-ID: <199906100216.WAA27435@hammer.csolve.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gosh;

There's still a lot of stuff said about the 'OLD' SGC-2020!

It was introduced, and supplied to me, prior to Field Day 1998.

I sent out preliminary, and follow-up reports, and impressions. I lost them due to MAC-IBM conversion!

I still think it's a 'good' xcvr! I used it last FD, and plan to use it this year. As before, I will send out my results, and opinions after FD!

Fair! I think so. And, am I TOTALLY happy with it?

'Almost'!

I did have several complaints that I brought up with SGC, as I had one of the first off the production run. SGC and they came up with a compromise, and I can live with that! They made a few changes to my radio that have improved a lot of my concerns.

I have to say, that, unlike the K2, which appears that it may be a great rig, the SGC-2020 was, at that time, under \$600 for all the features, was fully assembled, and I've had 2 years of service with it. It is compact, sturdy, and I have used it on SSB and Pactor (PacComm Pactor PTC-1 Controller) with great success. I was using it portable with random wire #28 'invisible' antennas in Big Pine Key, and Cocoa Beach in Florida over the winter (With that GREAT LDG QRP Automatic Antenna Tuner).

Hey guys, this is a TOTALLY USA made product (I'm Canadian - close enough!), fully assembled, compact, brutally rugged (You could 'probably'

drive your SUV over it!), fully featured, ALL frequency XCVR, NEW for \$625 with microphone(I believe!).

For CW, I don't know! I admit it! And I do know that in Pactor, during transitions, there is a lot of noise if you are wearing headphones, BUT! Why would you?

As I am an RVer (Bigfoot 13.5' FG Trailer), a Sailor (Mac25), a FDer (class 1B2-Battery), Mobiler (97 Dodge Caravan), I have used this guy a bit, and it is compact, reasonable, and works OK!

Usual disclaimers - in fact SGC will be astounded that I was this polite to them! It's an OK rig - Definitely not a top of the line FT1000, or IC-781! But CHEAP!

Michael Pupeza VE3EQP  
283 Peek-a-Boo Trl RR# 2  
Penetanguishene, ON  
Canada L9M 1R2  
(705) 549-3220

-----  
Date: Wed, 9 Jun 1999 22:33:58 -0400  
From: "Richard Brummer" <obvious@bestweb.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [42412] Re: NON-QRP .. GPS info  
Message-ID: <00de01beb2e9\$b2521340\$2805b3d8@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Roger's statement appears to be correct except for those cooordinates provided by Buckmaster. I checked the coordinates listed for me and those listed for someone within a half mile of my QTH. QRZ lists them as the same for both of us, but Buckmaster shows a difference.

73,  
Dick K2REB

-----  
Date: Wed, 09 Jun 1999 22:05:24 -0400  
From: David Hinerman <wd8civ@worldnet.att.net>

To: qrp-1@lehigh.edu  
Subject: [42413] help (was Re: business opportunity)  
Message-ID: <3.0.6.32.19990609220524.0079e280@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Group:

I am forwarding this per the originator's request.

Dave, WD8CIV

>

>Dave:

>

>Due to a screw-up with my work e-mail system the qrp-1 list does not  
>recognize me, so I cannot post to the list. This is a duplicate of what I  
>copied to you. Could you please forward this on my behalf?

>

>Thanks

>

>Dave Sarraf

>

>

>

>

>wd8civ@att.net writes:

>>We use adaptors where I work to breadboard surface-mount  
>>chips, but these usually have pins to insert in a socket,  
>>or to wrap wire onto. I was thinking of just a flat piece  
>>of PC board material with traces on it to fan out from  
>>the chip's leads to larger pads that a human being has  
>>some hope of soldering to.

>Dave's post triggered the thought of cutting a small IC-sized pad, using a  
>hacksaw to isolate the lands at each lead, then glueing that adapter pad  
>down to the main board. Make the pad big enough to extend beyond the IC  
>socket and you can solder components or leads to the lands as well as the  
>IC socket. This hybrid part would be simple to make, easy to handle and  
>work well with the Manhattan style of construction. It should be easier  
>than mounting individual pads at each socket pin.

>It does sound like a good business opportunity, however keeping in the  
>spirit of the list it would make a better club fundraising project. If  
>done as a club project it may pay to etch as Dave described in his earlier  
>post. For the home builder wanting just a few adapters a hacksaw would  
>work as well.

>Dave Sarraf

>N3NDJ

>



>  
>

-----  
Date: Wed, 9 Jun 1999 22:55:57 EDT  
From: K4ZM@aol.com  
To: qrp-1@lehigh.edu  
Subject: [42414] For Sale Index Labs QRP++  
Message-ID: <a5105632.2490833d@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

FOR SALE - INDEX LABS QRP++ - S/N 1024

Like new - not a scratch on it! Works Fine - Rig has IF gain control installed. I have original box and manual. If you would like to see a photo email me and I will email photos of it to you. I am QRP radio poor and have decided to sell out a few. I am a Field Tester for the new Elecraft K2 so I now have a new K2 and have no need for the QRP++. I also own a Ten Tec Argonaut 515, MFJ9040, and 38 Special. I will take first offer over \$500 and will pay for shipping.

72' Jim  
k4zm@aol.com

-----  
Date: Wed, 09 Jun 1999 19:44:26 -0700  
From: Bill & Merleigh Jones <kd7s@psnw.com>  
To: qrp-1@lehigh.edu  
Subject: [42415] Re: NON-QRP .. GPS info  
Message-ID: <3.0.6.32.19990609194426.007d0bc0@mail.psnw.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

If you need very close latitude and longitude coordinates for your QTH, go to <http://www.mapblast.com> and key in your address. I have found it to be quite accurate. I have used mapblast coordinates to set waypoints for enroute navigation as well.

=====  
Bill Jones - KD7S - <><  
Sanger, California  
<http://www.psnw.com/~kd7s>  
=====

-----  
Date: Wed, 09 Jun 1999 23:03:42 -0400  
From: Michael C Boatright <ko4wx@mindspring.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [42416] Re: Large format photographs?  
Message-ID: <375F2B0E.5D04FF10@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Zach,

I've had pretty good success with my Olympus D-340R digital camera. The downside of the D-340R is it's a tad more expensive (in the \$400 range) than other similar cameras, but the upside is that it generates JPEG files at 1280x960x16.7M resolution. I'm still experimenting with the "macro" feature, which is essentially a "zoom" feature, but reduces resolution to 640x480x16M. I'm still having problems getting too close, and I still haven't figured out autofocus in macro mode.

I then use LViewPro or Photoshop to crop and rescale for the web. Check out <http://www.qsl.net/nogaqrp/projects/NOGAnaut/prototype.jpg> that shows how the larger format works to capture detail. The paddle in the photograph is a White Rook, which shows you how small the circuit board is, and yet how much detail you can obtain. This photo was shot in macro mode and you can nearly tell the values of the resistors and the inductor by the color detail available.

--

Mike Boatright, K04WX  
District EC, GEMA, Amateur Radio Emergency Service

A rock pile ceases to be a rock pile the moment a single man  
contemplates it, bearing within him the image of a cathedral.  
Antoine de Saint-Exupery

-----  
Date: Wed, 09 Jun 1999 23:09:43 -0400  
From: David Hinerman <wd8civ@worldnet.att.net>  
To: qrp-l@lehigh.edu  
Subject: [42417] speaking of coordinates  
Message-ID: <3.0.6.32.19990609230943.00799100@postoffice.worldnet.att.net>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Folks,

The discussion on ICBM coordinates reminded me of a neat Web site:

<http://terraserwer.microsoft.com/advfind.asp>

The Terraserwer is a system operated by Microsoft that has satellite images of a large portion of the Earth's surface. You can locate images by clicking on a map, or by entering coordinates (DDDMMSS or DDD.DDDD) on the page listed here.

If there's an image for the coordinates you entered, it'll be displayed. If it's from a GOES satellite, it's public property and you can download or print it. If it's from a SPOT satellite, you have to pay for the privilege of saving or printing the image. (Viewing is still free.)

They don't have a picture of my current QTH, but they had my old one in Ohio. Quite easy to see - the aluminum roof of my mobile home is very shiny, and actually produced a "flare" in the image.

Resolution is good enough that you can make out cars, although you can't quite read the license plates. (Grin) Actually, their best resolution is about 1.5 to 2 meters per pixel.

Still, it's be fun for some of you antenna farmers to see if you can make out your towers.

Dave

P.S. The images were photographed at various times over the last 20 years or so, so certain recent features (like malls) may not appear. Also, the image page should have a link to Expedia Maps, which is useful in its own right. It'll give you street maps by lat. and lon., as well as let you pan around. D.

-----  
Dave Hinerman - WD8CIV

-----  
Date: Wed, 9 Jun 1999 23:17:46 -0400 (EDT)  
From: malman@world.std.com (Joel Malman)  
To: qrp-l@Lehigh.EDU  
Cc: k1qm@world.std.com

Subject: [42418] Non-QRP: GSP  
Message-ID: <199906100317.AA23959@world.std.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

QRP-l Folks,

I got a lot of messages re GPS and QRZ locations. Most everyone says that QRZ locations are based on "LOCAL" United States Post offices.

It turns out that my "local" PO is about 1.5 miles from my house, so the QRZ 'error' is probably because the distance between my 'local' PO and my location.

As for the 45 meter 'error', I'm glad I'm in the USA and currently NOT under fire.

--

/joel K1QM Concord, MA  
QRP-L 337, QRP-ARCI 9305

-----  
Date: Wed, 9 Jun 1999 22:20:02 -0500  
From: Kenneth R Wezeman <n9qil@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [42419] Re: [42397] Re: K2 Portable in Switzerland  
Message-ID: <19990609.222003.-305047.0.N9QIL@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The ARRL suggests that you take your original license to CEPT countries, not a copy, even though that's good enough with the FCC. Evidently some countries require an original.

Ken Wezeman, N9QIL - Mishawaka, IN  
QRP ARCI #8191; QRP-L #1416; AK QRP #379

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Thu, 10 Jun 1999 00:14:45 -0400  
From: hamjoel@juno.com  
To: qrp-1@lehigh.edu  
Subject: [42420] made 1K/M/W AT 5W  
Message-ID: <19990610.001445.-296007.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

HIGH GANG

hey this antenna works.... just worked, ssb at that, es7fq and he's  
5,255 miles away... hey hey hey..... got a 59 report and a few minutes  
chewing the whatever.... he had a two element quad up 60ft or so.... he  
got excited at the 5w level and was very friendly... his name was  
Henry...

I guess I'll have to try for dxcc on twenty qrp... what a trip...I  
worked estonia to bulgaria.... with good reports so I guess I have the  
antenna pointed right...

Tomorrow or the next day I need to pick up the rear end of the antenna  
and get it level... didn't figure the balance right on this one.... sink  
me....

an't life funny.... now if the fish will start biting.... the  
mosquitoes already are!

joel kella  
in maine  
and loving it... but don't tell no-body

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Wed, 9 Jun 1999 23:07:17 -0600  
From: "Frank Emens" <femens@advicom.net>  
To: malman@world.std.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [42421] Re: NON-QRP .. GPS info  
Message-ID: <199906100407.XAA15678@vespucci.advicom.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Joel, I suspect the QRZ database gets its coordinates from a fairly common database that shows coordinates by zip code. How big a zip code do you live in? Could that account for the error?

Frank Emens, W4HFU, Huntsville, Alabama  
femens@advicom.net

-----  
Date: Thu, 10 Jun 1999 00:37:50 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:Robsparks@aol.com" <Robsparks@aol.com>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group  
<QRP-L@Lehigh.edu>  
Subject: [42422] AR QRP 40m net tonight  
Message-ID: <199906100041\_MC2-78CD-E87C@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
        charset=us-ascii  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit

Bob:

Well I listened for quite a while tonight. Mostly heard QRN and what sounded like a QRP QSO going on (sure hope it was not the actual net!--or else I gave up too easily). Hunted around for what I thought QRP net might sound like. Oh well. Maybe next time. Have never actually gotten into the net, mainly because of calendar conflicts, but sometime also condx. Maybe someday.

72,  
--Doc Lindsey/K0EVZ  
    DSBF  
    PO BOX 6028  
    Bismarck, ND 58506  
    70511.3041@compuserve.com

-----  
Date: Wed, 9 Jun 1999 23:42:21 -0500  
From: "Chuck Adams K5FO" <adams@ticnet.com>  
To: qrp-l@lehigh.edu  
Subject: [42423] MFJ-118 Digital Clock Review  
Message-ID: <E10rvaV-0006h0-00@pop3.ticnet.com>  
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Gang,

Here we go again. For detailed information go to:

<http://www.mfjenterprises.com/>

and look at their catalog for the MFJ-118 Clock.  
Hopefully, since I just typed it in I can do it  
twice without an error like in the Elmer205 posting  
on that URL. :-)

#### MFJ-118 Digital Clock

I bought one of these at HamCom last year and put  
it next to the rig on the operating desk. Forgot  
to write it up, but didn't want to until I was  
sure of the thing.

If you can not surf, then check out a MFJ catalog  
for the clock and it's picture, but I don't recall  
seeing one in the MFJ published materials in the  
magazines such as World Radio and QST.

Mfgr: MFJ Enterprises, Inc., Starkville, MS

Price: \$24.95 US dollars

Device: 24hr clock with large digits 3.0cm high for  
the time. 1.8cm for the day of the week with  
two letter abbreviation and 0.8cm high digits  
for day and month.

Calendar: Is Y2K compliant and good for the next century.... :-)

Precision: Well, it did gain about 83 seconds in the first year  
of operation, which I consider to be pretty good as  
I have other clocks with WWV receivers builtin. I like  
this one as I have it set to UTC and it makes logging  
much easier. Also, since I am not working I have to  
sometimes check to see what day of the month and week it  
is.... :-) Phyllis says that everyday is a Sunday to me.  
;-)

Power: One AA battery or NiCad

It's going to be interesting to see if the rumored WWV receiver clock  
is going to be in the price range that makes it a preferred item over

this one, but I doubt it. This clock is preferred over the Casio DQ-712 which is not typically found in the US and runs on 2 AA batteries vs the one for the MFJ clock. If you have been a member of QRP-L for some time, you'll remember that I wrote up and had pictures of the Casio that I picked up in Germany or Switzerland several years ago on vacation....

Anyway, for your files.

dit dit

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

-----  
Date: Wed, 9 Jun 1999 21:53:20 -0700  
From: "Kory Hamzeh" <kory@avatar.com>  
To: <qrp-1@lehigh.edu>  
Subject: [42424] sgc-2020  
Message-ID: <000b01beb2fd\$29973d00\$14ce21c7@tomcat.avatar.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I'm looking for a portable radio the size of the sgc-2020 or K2. I own an ic-706, but that puppy sucks over an amp of current just in receive mode. The K2 looks good, but I'd like to have a little more than 10 watts since when I'm camping, the antennas are not the best. With out starting any wars here, I like to get some private e-mail about the problems that the sgc-2020 seems to have, particularly as it pertains to cw operations.

Thanks,  
Kory  
AC6RN

-----  
Date: Thu, 10 Jun 1999 00:22:58 -0500  
From: Jay Bromley <w5jay@alltel.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42425] VE3DNL Marker/Generator FSQC kit



Message-ID: <375F4BB2.9936B666@alltel.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

The other day I was thanking everyone for helping in the VE3DNL project and I forgot one important person. Glenn Leinweber, VE3DNL, of course! I just don't have my head on straight these days but, I just wanted to say thanks to Glenn in front of the group.

There been a few questions on how much output this handy device has. If you have good coax on your rig you will have to close couple the output wire by laying or wrapping the wire around the coax. When I am tuning up a rig I just insert a wire into the rigs antenna port and I have no problem hearing the marker generator from a few inches to a little over a foot. Any more output and this could qualify for a QRPP rig with a whole lot of harmonics.

A lot of folks will be using the kit as a crystal calibrator and a direct connection via a small coupling cap could wreak a receiver with more output. Look in the handbook for values, but Collins receivers seem to like the range of 5pf to 15pf. More capacitance, more signal, simple right.

Ok, here is what I measured on my scope with a fresh battery on two different VE3DNL Markers. On the 5khz port I had a nice square wave with an output of 10 volts peak to peak. Also just for drill I hooked these direct into my TS950sdx and my K2. Both rigs showed the same on the S-meter reading and that was 20 over 9. The K2 has the unmodified s- meter and the Kenwood is like the rest of their rigs they are on the loose side. This should give you an idea if your kit is working ok. I hope this helps the ones wondering if their Marker/Generator was too weak using a six inch wire on the output.

The little kit doesn't drawl much off a 9v battery. I had mine on all evening on the scope and the output is still 10 volts peak to peak.

Let me know if you need more help on your kit. Boy, I have not even started getting ready for Dallas. Been trying to get out all the kits I can but some will have to wait till next week. Thanks and hope to cu at HamCom.

73 de w5jay..

-----

Date: Thu, 10 Jun 1999 01:38:59 -0500  
From: Jay Bromley <w5jay@alltel.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42426] Rev. Dobbs stops at the Fort  
Message-ID: <375F5D83.9BC8B4A0@alltel.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

I just had to share this with the group. On his way to HamCom the Rev. George Dobbs stop by to have dinner with our local QRP group. We had a nice turn out for a week day and the count was 11. It was a great evening but, by the time we got out of the restaurant it was pretty late and so everyone went straight home.

I was taking George back to the motel when we made a detour by my house so I could show him my K2. I hook up all the equipment for him and he was off calling CQ on 20m CW. While I was watching George something hit me like a ton of bricks. I started realizing that this image would be with me till the day I die and then thought about other images in this same shack, all made within the last few months.

Then I started thinking that this QRP thing is more than the equipment. It's the people that are in it. Some of the things I reminis on are having lunch with the gang at the Varsity after our hamfest and getting to talk to folks like Larry Wise, WA5T. Also one of the great images I play in my mind is Chuck and I playing with the keys while Doug was snoring on the couch.

I don't mean to get spiritual on you folks but, I feel like in the last year I am the luckiest dude in the world. I have been with Contesters, DXers, AMers and I can tell you the fellowship in the QRP community is second to none. Don't believe it? Just show up at Dallas this weekend for a sample.

Anyway I am off to bed with my latest image in my head watching George work my WBL's and the K2. Listening to a GOWBT call CQ on the K2 at 1 a.m. in the morning while I am writing this. I wish I got a picture of George with the headphones on so I could show the group. I just can't get over how great this group really is and how lucky I am to be a part of it!!

Boy I'm tired I hope this made sense and there aren't to many errors. Hope to cu in Big D this weekend.

73 de w5jay..

-----  
Date: Thu, 10 Jun 1999 07:03:27 GMT  
From: mwattcpa@earthlink.net (Marty Watt)  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [42427] Re: NON-QRP .. GPS info  
Message-ID: <37615f5c.45066149@mail.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable  
Content-Transfer-Encoding: quoted-printable

On Wed, 9 Jun 1999 21:35:32 -0400 (EDT), malman@world.std.com (Joel =  
Malman)  
wrote:

>Sorry for the NON-QRP question, but has anyone else noticed that the  
>QRZ database is VERY wrong when it comes to locations? Maybe it's just =  
my  
>location, but it would seem that the QRZ location listing is VERY wrong.

I think some on-line callbooks use the center of the county you are in, =  
some  
use the post office, some the center of the zip code. There are several =  
ways.  
I don't know any that use the location of the address. I'm not sure what  
Buckmaster uses -- it didn't list mine until I told it my coordinates. =  
It may  
base on county, which I also had to provide. I don't care for =  
Buckmaster,  
since it only updates it's records once a week. Silly reason not to use =  
a  
lookup site, but QRZ updates daily, and provides the same information.

=46rom the QRZ web site:

In our database, each Zip Code is listed along with it's geographic  
coordinates (latitude, longitute) along with the state and county to =  
which it  
belongs. When amateur callsign information is displayed, the amateur's =  
Zip  
Code is used to fetch the location and county information from the =  
database.  
Thus, this information reflects the location of the approximate center of=  
the  
zip code area rather than the actual location of the displayed amateur =  
radio

station. You will notice that every ham listed under a given zip code has= the same address and same lat/lon coordinates.=20

(end)

--

72 es 73 de Marty, N5NW (x-KM7W, KN4BH, N4UYT)

-----=  
-----  
Memphis, Tennessee =  
<http://home.earthlink.net/~mwattcpa>  
VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =  
EM55ce  
CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =  
Vengeance"  
Member -- Tennessee Contest Group

-----  
Date: Thu, 10 Jun 1999 11:23:11 +0200  
From: iapizloj@bicc00.bi.ehu.es (Jon Iza)  
To: qrp-l@lehigh.edu  
Cc: iapizloj@bicc00.bi.ehu.es  
Subject: [42428] Caltech's course on radio  
Message-ID: <9906100923.AA81966@bicc00.bi.ehu.es>

Folks,

Just in a timely manner, Wayne N6KR was posting stuff about making CW cool to mix CW, homebrewing and fun with radio. Recently HP's Educator Corner Bulletin had an Editorial telling the European Market is lacking "radio engineers" and the demise of radio oriented studies on EE and Telecom Engineering careers.

I wrote a letter to the Editor with some coments about radio loosing its magic for nowadays kids, poking my fingers on teacher's eyes about the lack of knowledge of today's students about reliabiilty and some other stuff and commenting about Prof. Rutledge's notes based on the Wilderness Radio NC40a. I searched to know the whereabouts of the notes and found they have been published by CUP. If you want to know more, just follow the link to:

<http://www.cup.org/Titles/64/0521641365.html>  
for "The Electronics of Radio".

It's worth every cent, IMHO.

jon, ea2sn

-----  
Date: Thu, 10 Jun 1999 07:55:39 -0400

From: "Paul Helbert, Wv3j" <phelbert@rica.net>  
To: sigcom@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [42429] Re: Free stuff: Dials  
Message-ID: <375FA7BB.349AE4D2@rica.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Those AOL CD's also make descent flying disks if weighted around the edge. They don't fly fer nothin as sent. There has to be something available which could be snapped or glued to the rim to make these things fly straight.

Anyone found an elegant solution to this problem yet?

Paul, Wv3j

-----  
Date: Thu, 10 Jun 1999 08:19:15 EDT  
From: Bensondj@aol.com  
To: qrp-l@lehigh.edu  
Subject: [42430] DSW-series availability  
Message-ID: <bd932dc2.24910743@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

>>Date: Wed, 9 Jun 1999 15:49:14 -0400  
>>From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>  
>>To: "'QRP Email List'" <qrp-l@lehigh.edu>  
Subject: [42382] Re: QRP Kit Specs,...

>> Small Wonder Labs - DSW40

>>I don't think Dave has this ready quite yet (at least I haven't see a post  
>>to the list saying it was available).

The DSW-40 is presently available- I've been remiss in keeping folks informed. I need to update my website to reflect this present status- I've been up to my neck in parts as well!

I'm also pleased to announce that the DSW-20 is also currently available and shipping. I also hope to have the 30M version available within a week-

I'll post its availability separately.

The companion enclosure kit is taking longer than we'd like. At present, I believe it's about 3 weeks away, but I'll have a better estimate in a day or so. Orders for complete kits (\$125) will be filled by shipping the board kit and following up with the enclosure kit as soon as the case becomes available.

73, Dave, NN1G

<<http://smallwonderlabs.com>>

-----  
Date: Thu, 10 Jun 1999 07:30:40 -0500  
From: "Tom Moll" <tomm@xata.com>  
To: <qrp-1@lehigh.edu>  
Subject: [42431] Small Wonder Labs DSW-40 Availability  
Message-ID: <000601beb33d\$0de3c340\$4baa7acf@tomm.XATA-CORP>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

snip

> Small Wonder Labs - DSW40

I don't think Dave has this ready quite yet (at least I haven't see a post to the list saying it was available).

end snip

I received email from Dave earlier this week thanking me for my patience and letting me know that my DSW-40 had just shipped. I thought this was very nice service to let me know the status - thanks Dave.  
I don't have any idea what his current backlog is, but obviously he is now shipping. I'm looking forward to building this and getting it on the air !  
Also, thanks to Chuck (K5F0) for his review of this rig a while back. A couple people I know would like to see it re-posted.



Content-Transfer-Encoding: 7bit

Is this the same as the softcover notes that I got for \$20 from caltech?  
Or is this the "textbook" that follows the lab notes?

Anyone?

Also, there appears to be a softcover version of the book for \$44. Takes the edge off the \$100 hardcover price.

Jon Iza wrote:

> I wrote a letter to the Editor with some coments about radio loosing  
> its magic for nowadays kids, poking my fingers on teacher's eyes  
> about the lack of knowledge of today's students about reliabiilty  
> and some other stuff and commenting about Prof. Rutledge's notes  
> based on the WIllderness Radio NC40a. I searched to know the whereabouts  
> of the notes and found they have been published by CUP. If you  
> want to know more, just follow the link to:  
> <http://www.cup.org/Titles/64/0521641365.html>  
> for "The Electronics of Radio".

--

72 de KU4QO  
Mike Maiorana  
Palm Harbor, FL

"Has anyone seen my youthful exuberance? I must have misplaced it."

-----

Date: Thu, 10 Jun 1999 12:52:23 +0000  
From: wd8civ@att.net  
To: qrp-l@lehigh.edu (QRP-L Mailing List)  
Subject: [42434] Re: Free stuff: Dials  
Message-ID: <19990610125327.ZNBZ15544@webmail.worldnet.att.net>

> > Those AOL CD's also make descent flying disks if weighted around the  
> > edge. They don't fly fer nothin as sent. There has to be something  
> > available which could be snapped or glued to the rim to make these  
> > things fly straight.  
> >  
> > Anyone found an elegant solution to this problem yet?  
> >  
> No, but they also make great clocks. I think I've given one to everyone  
> in my family for Xmas presents by now. :-)

I suggested my girls wear them for ponytail holders, and they both got their hair cut short.



Dave, WD8CIV

-----  
Date: Thu, 10 Jun 1999 20:57:14 +500  
From: Terry Bendell <terryb@bmts.com>  
To: <n4bp@bc.seflin.org>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [42435] Re: Free stuff: Dials  
Message-ID: <199906101301.JAA05097@Alice.BMTS.Com>  
MIME-Version: 1.0

On 1999-06-10 n4bp@bc.seflin.org said:

>No, but they also make great clocks. I think I've given one to  
>everyone in my family for Xmas presents by now. :-)  
>73,  
>,' ' ',  
>Bob Patten, N4BP ( 0 0 ) Plantation, FL

I cut them up and use them for glue-on fins for my model rocketry hobby  
just my two cents!

Terry Bendell

-----  
Date: Thu, 10 Jun 1999 08:11:48 -0500  
From: "Bryan Turner" <turnerw@email.uah.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [42436] Re: MFJ-118 Digital Clock Review  
Message-ID: <199906101311.IAA26620@email.uah.edu>

> Precision: Well, it did gain about 83 seconds in the first year  
> of operation,

I have one of the Mighty Fine Junk dual time zone clocks that  
consists of two digital clocks in an aluminum mount. I'd be happy if  
it was accurate to within 83 seconds after a couple of months.

The clocks are neither precise nor accurate; they also drift at  
different rates so that within a few weeks the local and UTC clocks  
are displaying different minutes.

I bought mine back in the mid eighties. It is still in the catalog as the MFJ-108B. I would avoid this model (and the single display 107). It sounds like their newer clock is much better.

73 Bryan W8LN

-----  
Date: Thu, 10 Jun 1999 09:20:27 -0400  
From: Jerry Henshaw <jhenshaw@bellsouth.net>  
To: "'QRP List'" <qrp-1@Lehigh.EDU>, "'elecrafft@qth.com'" <elecrafft@qth.com>  
Subject: [42437] K2 Portable in Switzerland  
Message-ID: <01BEB322.7C1407A0@host-216-77-213-227.f11.bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Bad News,

On the way to the airport last night, my wife became very sick. Long story short, I spent most of the night and early morning at the hospital emergency room. She has a GI infection. I cancelled the trip to Switzerland. She is going to be okay just one sick puppy right now.

I received many emails and I don't have time to answer all of them... but I was corrected on the proper way of signing HB9/KR5L/P.

For those of you who asked, the new rules were effective on June 7, 1999. You must have a copy of your license, a copy of the Public Notice from the FCC --- available from the ARRL sight in PDF format, and a passport to prove citizenship.

Additionally, you can work several Central and South American countries with a new International Permit issued by the ARRL. This permit allows US amateurs to operate in participating Latin American countries. You must have a copy of your license, photo ID (passport), and the permit. The cost of the permit is \$10.00 and is good for one year. The application is on the ARRL site. You must provide a 1 inch by 1 inch photo with your application.

I'll miss being DX but there will be another time I am sure.

72's

Jerry  
KR5L

-----  
Date: Thu, 10 Jun 1999 09:46:22 -0400  
From: sergio <sruiz@bright.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42438] copper clad laminate..  
Message-ID: <375FC1AD.B7D19662@bright.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

i stopped down at shearing this morning..

wanted to let the shearing lady know that i wanted to start saving the edges of the cores..

she said i could shear them to smaller pieces after hours.. so i will stop and shear them so that i can give the maximum length that will fit in an envelope..

anyway..

the gossip mill has started..

i talked to her and hour and a half ago, and here's what i heard from the gossip mill that i am doing with them..

.. he's hooking them to his guitar for a laser show..

.. he's building a pirate radio station for the village buzz...

.. he's building a giant solar panel..

.. he's building a light show..

.. he's doing something with a laser beam..

and best of all..

.. he's taking it over to matt's and their building some kinda secret race car..

anyway.. just wanted to let everyone know that i should have a bunch of packs ready to mail by the end of the day...

thanks!

sergio  
kb8qpt

--

---  
peace,  
sergio  
<http://www.bright.net/~sruiz>  
"the village buzz"

-----  
Date: Thu, 10 Jun 1999 16:10:56 +0200  
From: "Hans =?ISO-8859-1?Q?Sundstr=F6m"?= <hans.sundstrom@telia.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [42439] DSW40  
Message-ID: <199906101410.QAA10939@d1o22.telia.com>

Got a DSW40 up and running - without enclosure so far.

Just some quick thoughts:

Comes together very fast. One evening project, easy.

Nice finish. Easy manual. Works instantly when you have finished the last solder joint.

Very easy to calibrate, just two trimming points, finished in minutes.

Seems to be a very stable construction. I am working DX with the thing in a little pile on the work bench with all cables hanging loose in a mess, and everything workes fine. First QSO in just a couple of minutes after the last component was fitted.

So far I have had no real problems handling the quite strong QRM-levels on 40 here in Europe. One reason is probably that you have just the HF-gain, no AF-gain to adjust, so you bring down the strong signals accordingly. Works fine.

Layout is very neat. Some SMT components, most of them already mounted and tested. Just two to go and they fit easy. Small board, you can really, very fast, make a very good very tiny rig with this board!

Nice QSK.

TX sound very nice, and since it is a DDS no drift. "Only" 1.8 W output at

13,8 V, but that is probably a result of me substituting the two drive transistors in the TX because Dave was short of those specific transistors when he sent me the kit in a hurry for me to be able to reach the deadline for a review of the kit.

RX also seems good. In "the bag" first night is amongst others a PY. Tuning is smooth with the Panasonic c encoder - once you realize you can not turn it extremely fast, then it loses info...

Nothing to complain about? No, not so far.

One adjustment that has to be done is to change one cap in the product detector, the trimmer is at its end position and there is still a couple of Hz to go for the absolutely perfect adjustment. But that's no real problem, it is really close enough already for practical use.

Today I am going to write the review about the DSW40 for the Swedish Radio Amateurs journal, QTC, with pictures of all the details. It will be in the July issue, deadline for the printers tomorrow. And there will be more QRP stuff in that issue too...

73 to all

Hans / SM4ATJ

-----  
Date: Thu, 10 Jun 1999 08:36:04 -0600  
From: Larry East <wlhue@amsat.org>  
To: qrp-l@lehigh.edu  
Cc: aweiss@usd.edu  
Subject: [42440] RE: SG2020  
Message-ID: <3.0.3.32.19990610083604.00959a10@axp1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Excerpt from a recent post from Ade Weiss:

>

>As for the QRP+, it should never have seen the light of day. The fatal  
>combination of IF gain, AGC loop, and inability of the DSP filter to actually  
>reject off-center freq signals makes it useless in a contest situation. One  
>needs a really clear freq +/-4kHz to escape the AGC action caused by  
>strong stations.

>

I assume that you are referring to the "New Improved" QRP+. About 97% of

the problem that you refer to is caused by a limiter in the IF (and hence before the SCAF). Removing the IF limiter and installing a limiter after the SCAF (to reduce AGC "pumping") results in a very usable CW rig -- I've even used mine a couple of times in 160M contests(!). Early production runs of the "New Improved" version also fed to high a signal level to the SCAF ... Index fixed that in later runs and published a mod to cure the problem (a simple resistor change).

Apparently the SG2020 uses the same IF limiter scheme ... some folks are slow learners! :-)

72, Larry W1HUE/7

-----  
Date: Thu, 10 Jun 1999 08:02:50 -0700 (PDT)  
From: ac6ts@n2.net (John Williams)  
To: qrp-1@Lehigh.EDU  
Subject: [42441] WTB:Menu Keyer  
Message-ID: <199906101502.IAA25490@ravel.n2.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>Looking for a menu keyer that doesn't require a PC. Like the  
>MFJ  
>-492 or similar. Will consider a keyboard model though.  
>To reply please remove "X"s from address <ac6ts@n2.net>  
>Tnx  
>John  
>-

---/---  
---/---  
----/----  
-----/-----

AC6TS John Williams  
LAT. 33.06.15 LON. -117.03.36 7.030Mhz CW  
DM13KC 14.030Mhz CW

-----  
Date: Thu, 10 Jun 1999 08:11:32 -0700  
From: Phil Wheeler <w7ox@mindspring.com>  
To: jhenshaw@bellsouth.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42442] Re: K2 Portable in Switzerland  
Message-ID: <375FD5A4.404215A2@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Jerry Henshaw wrote:

>  
> For those of you who asked, the new rules were effective on June 7, 1999.  
> You must have a copy of your license, a copy of the Public Notice from the  
> FCC --- available from the ARRL sight in PDF format, and a passport to  
> prove citizenship.  
>

Jerry, sorry to hear of your forced change of plans.

I've searched for the Public Notice you mention, to no avail. Can you  
provide a title of search phase. Reciprocal did not get me there.

Phil

-----  
Date: Thu, 10 Jun 1999 08:18:57 -0700 (PDT)  
From: Ron Stark <ku7y@dri.edu>  
To: Jay Bromley <w5jay@alltel.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42443] Re: Rev. Dobbs stops at the Fort  
Message-ID: <Pine.SOL.3.96.990610080432.11173F-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 10 Jun 1999, Jay Bromley wrote:

\*\*\*\*\* snip \*\*\*\*\*

> Then I started thinking that this QRP thing is more than the equipment.  
> It's the people that are in it. Some of the things I reminis on are

\*\*\*more sniping\*\*\*

> I don't mean to get spiritual on you folks but, I feel like in the last  
> year I am the luckiest dude in the world. I have been with Contesters,

> DXers, AMers and I can tell you the fellowship in the QRP community is  
> second to none.

Well said Jay,

I also feel that I am one of the luckiest people in the world.

I have been able to meet and become friends with some of the  
greatest people in the world all because of the interest in  
QRP.

For those that are just getting "into" this QRP thing, try to  
go to one of the hamfests. Meeting other QRPers is always fun.

The fellowship of QRPers really has to be seen to be fully  
appreciated!

I hope to see/meet many old and new friends at Ft. Tuthill  
and PacCon this year.

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Thu, 10 Jun 1999 11:36:10 -0400  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: "Qrp1\_Submit (E-mail)" <qrp-1@Lehigh.EDU>, kory@avatar.com  
Subject: [42444] RE: Antenna question  
Message-ID: <21E06269B00ED111BE9B00805F6D0FA391C8F7@MAILSERVER1>  
MIME-Version: 1.0  
Content-Type: text/plain

Kory and others check out my webpage for an all-band portable light-wieght  
vertical that may suit your needs. I'm currently updating the page to give  
dimensions, wire segment lengths, loading coil, and SWR info.

Sam Billingsley    AE4GX        Atlanta (Buckhead), GA  
<http://ae4gx.home.mindspring.com/>

-----



Date: Mon, 7 Jun 1999 14:07:30 -0700  
From: "Kory Hamzeh" <kory@avatar.com>  
To: <qrp-1@lehigh.edu>  
Subject: [42226] Antenna question  
Message-ID: <002a01beb129\$c12426e0\$14ce21c7@tomcat.avatar.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Fellow QRP'ers,

I'm trying to put together an antenna to use when I got camping. First I must say that I am mostly in a wheelchair, so I need to put together something that I can do from a wheelchair. Secondly, alot of camp sites do not have tall trees, so I think I'm limitted to verticals.

I've come up with two ideas, and I wanted to know people opinion.

1. Use a fishing pole as a 20 ft whip and radials cut around 20 ft also. I would tune this puppy with a tuner.
2. Use a screwdriver antenna like the high sierra and an alpha delta outpost base.

Method #1 has a larger radiating element and will require a tuner. Method #2 is a smaller element and has a (somewhat) center loaded coil and does not need a tuner.

Which method will be more efficient? I'm open to other ideas as long as the setup is fairly straight forward.

Thanks & 73's,  
Kory  
AC6RN

-----  
Date: Wed, 09 Jun 1999 23:46:17 -0400  
From: Joseph Mikuckis <k3chp@erols.com>

To: qrp-1@Lehigh.EDU  
Subject: [42445] Re Speaking of S&S Engineering  
Message-ID: <375F3509.AC9@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I talked to Kathy (N3SAD) of S&S Engineering re their upcoming multiband QRP transceiver during the recent Manassas, VA., hamfest. She said that the design is complete and that the only remaining item is laying out of the last PC board. The unit is expected to be available sometime during this summer.

73 de Joe, K3CHP  
Riverdale, MD

-----  
Date: Fri, 11 Jun 1999 00:57:47 +0900  
From: "Toru Kato" <jg1rvn@inv.co.jp>  
To: "QRP-L" <qrp-1@lehigh.edu>  
Subject: [42446] NC20 cheap fix mods  
Message-ID: <000701beb359\$fe4441e0\$77649dd2@jg1rvn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-2022-jp"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi this is JG1RVN Toru, Tokyo.

I tried another cheap fix mods for NorCal20.

(1) Solder J-4 (2,1mm DC jack, inside of case) center pin (+).  
My J-4 center pin's contact was not good.

(2) Replace C11 for '220 micro F 16V electrical capacitor'.  
(Original C11 is 10 micro F)  
This large C11 is working for stabilizer of 78L08 VFO regulator.

GL 72 from Tokyo.

-----

Date: Thu, 10 Jun 1999 09:02:00 -0700  
From: william h ross <k6mgo@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [42447] Fw: VE3DNL Marker/Generator FSQC kit  
Message-ID: <19990610.090201.-11899.0.k6mgo@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Gang,  
I built one of the little kits listed above and I think that I am getting less than normal output.  
Does anyone within say a ten mile radius of Marina Del Rey, CA, have a scope that is fairly accurate on the voltage scale, that we could take a look at the output?  
I would really appreciate it.  
72, Bill, K6MGO

(snipe)  
Ok, here is what I measured on my scope with a fresh battery on two different VE3DNL Markers. On the 5khz port I had a nice square wave with an output of 10 volts peak to peak. Also just for drill I hooked these direct into my TS950sdx and my K2. Both rigs showed the same on the S-meter reading and that was 20 over 9. The K2 has the unmodified s- meter and the Kenwood is like the rest of their rigs they are on the loose side. This should give you an idea if your kit is working ok. I hope this helps the ones wondering if their Marker/Generator was too weak using a six inch wire on the output.

---

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-----  
Date: Thu, 10 Jun 1999 12:03:12 -0400  
From: John Harper AA5YX/2 <aa5yx@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [42448] White Mountain QRP SSB kit opinions?  
Message-ID: <19990610.120312.13830.0.aa5yx@juno.com>

Hello,

I'm thinking of adding an ssb rig to my QRP collection and rather than a store-bought model, I'd rather have a kit. I'd like to hear opinions of the White Mountain kit from those who have (or have had) one. Particularly thinking about the 40m version.

Thanks,

John Harper AA5YX/2            ex: KA5BBL, KI5OW, VQ9BL  
HW-9, OHR-100A/20m, Norcal 40A, SST/30m, Norcal 20  
YashicaMat 124G Info: <http://home.att.net/~j.harper>

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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Thu, 10 Jun 1999 12:13:36 -0400  
From: "Ed Hare, W1RFI" <[w1rfi@arrl.net](mailto:w1rfi@arrl.net)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [42449] Re: AW: 2020  
Message-ID: <375FE430.665D@arrl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Peter Zenker wrote:

> one problem is the inability of commercial magazines to publish a "killing  
> test review" because the financial risk.

Test results don't lie; a measured power output, harmonic level, IP3, etc., stand on their own. As to the more subjective parts of a review, I can speak for QST and note that those things that are "killer" are discussed as such. But even a "poor" radio has good features, and a balanced review will discuss those, too.

> IMHO measuring and publishing of third order Interceptpoint IP3 as done in  
> the moment is not only worthless but misleading  
> Why?  
> If you create a IP3 hitlist and compare the SST with its non selectiv  
> frontend and its NE602 mixer with a Yaesu FT1000, the SST is way off at the  
> bad side. You can approve this results in a practical test as will, the SST  
> gives much more intermodulation the the FT1000.  
> BUT

> Add a smallband bandpass to the SST. The best you can buy in the moment is a  
> 20 kHz broad 7020 MHz 8 Pole Xtalfilter (twice the price of the SST :-), 2,9  
> dB loss.

> Now measure again, you will find the same bad, bad IP3 and the SST will have  
> the same bad place on the hit list! But if you now do the practical test  
> again I swear the SST because its much better noise figure combined with the  
> now excellent frontend will be the NUMBER ONE at the hitlist!.  
> To say it AGAIN: this modified rig shows the same bad IP3 but it is  
> intermodulation free now.

In well-designed radios, with selectivity present early in the IF stages, the intermodulation that causes a 3rd-order product takes place in the first mixer. Most radios do not have adequate selectivity before the first mixer to reject the test tones, so the wide-spaced IP3 is NOT affected by the front-end filtering. The ARRL Lab measures IP3 using toned spaced +-20 and +- 40 kHz from the desired frequency. At this spacing, the front-end filtering of the FT-1000 did not have any effect on the test results.

Now, as to the bandpass, if you add a 20 kHz bandpass filter in front of any radio that is testing IP3 using 20 kHz spaced tones, both of the tones will be reduced, one more than the other. This WILL increase the measured input IP3, so if you add the filter in front of the SST, IP3 will be higher. Any rig modified by inserting a 20 kHz bandpass filter will NOT show the same IP3 as it did before it was modified.

> Whats the worth of what test result now??

It is worth what is always has been -- a reasonable relative indicator of the performance of the receiver in the presence of strong signals.

> Compare the unmodified SST with the same FT1000 thinking in terms of  
> backpacking and dont forget the battery you need :-)))

Yes, I agree; there are a LOT more considerations than raw performance. With IP3 and dynamic range, one factor not usually considered is that you don't need more than you need. If the level of off-channel signals at the front end of a radio is insufficient to cause blocking or intermodulation, the radio will perform properly. A higher dynamic range will not make that radio sound any better. The ham who operates casually using modest antennas may not need a very high dynamic range to have a good-performing radio.

See <http://www.arrl.org/tis/info/bestrig.html> for a discussion of how to select an HF rig.

ARRL Lab

-----  
Date: Thu, 10 Jun 1999 12:41:53 -0400  
From: Scott Howell <whowell@hq.nasa.gov>  
To: adams@ticnet.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [42450] Re: MFJ-118 Digital Clock Review  
Message-ID: <3.0.5.32.19990610124153.007fe810@mail.hq.nasa.gov>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Chuck and Qrp-1 friends, is there a clock out there that shows all the times in all the time zones which is affordable?  
If so any info?

tnx es 73 de Scott/n3byyy  
Laurel MD

-----  
Date: Thu, 10 Jun 1999 11:51:49 -0500  
From: "Chuck Adams K5FO" <adams@ticnet.com>  
To: qrp-1@lehigh.edu  
Subject: [42451] DSW40 Review by K5FO  
Message-ID: <E10s6yV-0006R6-00@pop3.ticnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Small Wonder Labs DSW-40 Review  
By Chuck Adams, K5FO

May 05, 1999  
(mods June 10, 1999)

Being a fan of all the Dave Benson, NN1G, rigs and not having built one in some time I was excited to hear the announcement of the DSW-40 from Dave. So it is with a great deal of pleasure that I write a review on one of the first ones to get built from a group of beta

versions sent out by Dave.

Some background information for those new to what goes on in the engineering world. The development of any new piece of equipment requires a great deal of time, energy, money, and effort on the part of the designer and company in order to insure that the final product works and can be built by many hams worldwide. Variations in parts tolerances, etc. can make for some serious headaches for a company if care is not taken up front to insure stability and reproducibility in results for a large number of builders. So there is the alpha-version which the designer builds/prototypes/etc. The alpha is the prototype that usually isn't seen outside the walls of the lab and off the workbench. Then there comes the beta-version where a few chosen individuals get an early version of the parts and boards and instructions and do a detailed report back to the owner on suggestions/problems/comments that hopefully add value to the equipment and end up in the final version or go to make the final version better. Beta builders get to find the typos and suggest some wording changes that might be a problem for the new builders. You old timers don't read the manuals anyway. :-)

This review is written from the building of a beta-version. There may be some changes that Dave comes along with from what is described here, but only minor changes probably as I find the rig worked just fine and is on the desk in use as this is being written. In fact, I just finished a QSO with K5ZTY in Houston with the rig running at 1W and using a long wire on 40 meters.

First of all let me list the appropriate information from Dave and Small Wonder Labs

<http://www.smallwonderlabs.com>

[dave@smallwonderlabs.com](mailto:dave@smallwonderlabs.com)

Rig: DSW-40

Bands: 40 and 20 meters with others to follow

Flier from Dave shows 160, 80, 40, 30, and 20 meter versions.

Mfgr: Small Wonder Labs, 80 E Robbins Ave, Newington, CT

06111 [dave@smallwonderlabs.com](mailto:dave@smallwonderlabs.com)

<http://smallwonderlabs.com/>

Dave Benson, NN1G, owner and all that stuff....

Avail.: At Dayton Hamvention and thereafter

Price: \$90 for the board and board parts.

Enclosure kit priced at \$35 and available in July 1999 (estimate).

Size: Board is about 7.0cm x 11.0cm which is the same size as the SW-40+ board

Output: 2.5W nominal at 13.8V

Supply Voltage: 8-15V  
Current: About 32mA on receive (38mA on 20M)  
Sidetone: 800Hz, fixed  
SFDR: >60dB over specified frequency  
TTDR/MDS: equal to SW+  
IF: ~500Hz for any band

All this information found on Dave's web page.  
Someone will have to write up an article on the new  
parameters and what they mean. :-)

Drift: As measured by K5F0. <10Hz in first 20 seconds  
and 0Hz drift thereafter. This with calibrated  
frequency standard and counter aligned with WWV.

I won't bore you with all the gory details of building it. It went  
together in about 6 hours for me, so don't hold me or anyone else to  
that timeline. Take your time and do it right. I'd say allow yourself  
about 8 hours or so for the board. If you did the Elmer101 project and  
have built the SW-40+ or other similar single band rigs you can build  
this one. In fact, it is much simpler as I will explain.

The SMT parts for the DDS are already mounted and  
checked out by Dave. This is a neat start as even with my expertise  
and supply of building equipment I know that I don't have an soldering  
iron in the house to do the DDS chip (AD9835) which is the Direct Digital  
Synthesizer chip which has very small lead spacing. You do get to do  
two SMT inductors but these are done first and are not difficult. Just  
be careful and follow the instructions.

The layout is very similar to the SW-40+ and you'll recognize the  
similarity to it from comparison of both schematics if you have them.

There is a PIC processor (PIC16C622 from Microchip) which does the  
control of the DDS and is the keyer and freq-mite and RIT all in one  
small package....

I got the package from Dave in the afternoon but delayed until 9pm at  
night to start as I know how I am when I get started on these things.  
Sure enough at 3a.m. I have the board completely done. I find a  
gel-cell, the ear-buds, and a wire clip lead to hook up the antenna  
and then I power it up. No noise so I check and by clipping the  
antenna to the first point past the coupling cap from the PA filter  
I can hear noise. Tuning around I hear an EA8, DL7, G4, and a KH6  
on 40 meters. OK, receiver is working but only for DX.... :-)  
I know I have a problem so it's off to bed.



Next morning I get back to the rig and do a signal trace with the VE3DNL marker generator. Sure enough it looks like a short in the Cheby filter section. Turning the board over and looking carefully I find a connection between one of the filter caps and ground. As it turns out the board mfg did this. Email to Dave confirms this as the board layout figures show no such land, so good thing manufacturers have a few boards made to find these kinds of errors and in this case it was not Dave's fault. Exacto knife fixes the problem in short order. OK, peak the transformer on the front end and the receiver is completely tuned.

Setup the paddle and check the transmitter and it is working. Only 0.9W out. I get the voltmeter out and the gel-cell is at 11.08V. Why is it that I always do this? But hey, it's working so keep on going. No chirp or any other problems and the voltage is within Dave's specs. I then make the only other adjustment you have to make and that is to set the receiver offset to match the transmitter frequency and I'm all done. It's just too simple.

Then I take the rest of the day to take a TenTec TP-17 case and prime it with grey paint and drill the holes for everything. Pictures at the web site (<http://www.qsl.net/k5fo>) of all this work in progress.

So, it now sits on the operating desk and on the first night I worked TX, AZ, and FL. The FL station being Mac, KF4KSM/QRP, a member of this group. All three Qs in response to my CQs. This was the 3rd of May and today, the 5th, I got a response from Bill, K5ZTY, in Houston to another CQ on 7.040MHz with no QRM/SSB/... A miracle unto itself. The other night around 7.040MHz I had a digital station very loud purposely follow me around causing QRM. There were no other stns nearby and when I moved he moved for about 5 times. Then I really moved up into the Novice band. This rig tunes from 7.000MHz to 7.3000MHz with no problems. See the notes below. As I write this with the earphones on I can hear digital stations pinging away on 7.040MHz and it's not RTTY...

So what we have here is a complete rig in a small package requiring only an ant, battery, and paddle externally and you are up and running. Neato.

So, in summary here are some notes from K5F0.

- o Tuning range the entire 40 meter band 7.000MHz to 7.3000MHz  
Note that this takes a significant number of turns of the dial. :-)
- o Constant output the entire range with just a minor degradation into the Novice band like 0.90 at 7.120MHz  
vs 0.95W or so at 7.040MHz and this probably due to ripples in the Chebyshev filter
- o On power up the rig comes up at 7.040MHz on the nose.  
I suggested that Dave add a feature to come up in the

Novice band if the RIT switch is on at power up.

- o Keying speed 5 to 50wpm and it comes up at 15wpm
- o Freq is announced by pushing tuning knob in for an instant. The thing that I love is that if you are using the keyer at 40wpm then the freq is announced at 40wpm. No waiting on slow speeds here.
- o RIT is unlimited!! You can tune to the frequency you want to transmit on then tune the receiver to the DX station and that station can be 50KHz away. You really wouldn't go that far but you get the point.
- o Front panel layout that I used was TUNE, GAIN, RIT, Keyer Button, and PHONES. See web pics.
- o Rear panel layout PADDLES, POWER, and ANT. That's it.
- o Initial stepping is at 200Hz with the tuning dial using an encoder. But pushing knob in and holding it a sec or two you can get the finer 50Hz steps. I was asked how I like this and I like it fine. Now if you wanna move a long distance from 7.040MHz then you have some dial twisting to do, but it is fine as most of us won't move that far anyway.
- o 6KHz per dial revolution at 200Hz step size. Hint: put the knob that you are using, the usual Mouser in my case, with any dot in the vertical (12 o'clock) position when you power up the rig. This will be 7.040MHz. If you make 3 revolutions going up, then you'll be at 7.058MHz the FISTS calling frequency. :-)  
Neato. I did find that if I spin the dial rapidly then you can cause the micro to miss some increments but this is to be expected so don't tune too rapidly.
- o Filter is about 500Hz and you can miss a signal by tuning too rapidly. I've seen this before in the Uniden 2510 on 10 meters and all digital rigs I expect do this.
- o Keyer controls are speed, reverse to change dit/dah paddles to opposite paddles, tune, straight key. The thing that I like that Dave did here is that when you push the keyer button it starts cycling through the options and you don't have to sit and hold the button down to get to the next option. When the one you wanna change comes up you hit one of the paddles to stop and do whatever it is you want.
- o Equipment needed for alignment. None. You use your ears for peaking the front-end. The receiver is plenty sensitive.
- o There may be enough power to drive a small speaker but it is spec'd only for earphones and there is plenty of drive.
- o Some noise in the audio but this gets masked by atmospheric noise when the rig is connected to an antenna and the gain increased.
- o ONLY 4 toroids to wind and they don't have that many turns.
- o Only 2 tuning adjustments.

- o No test equipment needed if you don't run into problems.
- o Excellent receiver and I can't hear any digital generated noises that I recognize.

So, when guys and girls start getting this rig I expect to start seeing a lot of posts on QRP-L about how neat it is. As noted earlier \$90 for the board and parts and I don't know what the entire rig with case and case mounted connectors, knobs, etc. is going to be. Dave will determine that later on. For those lucky individuals that are going to Dayton be sure to see the rig at the QRP gathering at the Days Inn South. (<http://www.qrparci.org/>) This URL from a faulty memory so don't hold me to it. Dave reports that he will have a number of the 40 meter board kits at Dayton, so be sure to take some extra funds this year if you are interested in getting one.

So, an excellent rig and one that I will enjoy for some time to come. One of things that people have to get used to is that this rig uses a lot of software developed by Dave and that won't be available at any price. So unless someone spends a lot of time and energy you won't be seeing this rig done HB style as in previous cases with other rigs that don't use micros....

My sincere thanks to Dave for letting me be in on the first group to build and test this little rig. I have placed an order for the 30M version at this time.

This review humbly submitted for your enjoyment. dit dit

P.S. this review may be reproduced in any newsletter as is and with proper credit. Just let me know if you are gonna do that. I have had previous postings occur with any notice and I don't mind but it would be nice to know in advance so that I can give you any corrections/additions/etc. Thanks in advance.....

Chuck Adams K5FO [adams@ticnet.com](mailto:adams@ticnet.com) <http://www.qsl.net/k5fo/>

-----  
Date: Thu, 10 Jun 1999 10:49:46 -0600

From: Brad Mugleston <bmug@gwl.com>  
To: "'qrp-1'" <qrp-1@lehigh.edu>  
Subject: [42452] Sierra Tuning  
Message-ID: <01BEB32E.F7FA5C00.bmug@gwl.com>

I was going to reply direct but don't see an address.

Anyway, I don't have a Sierra (Yet) but in the rigs I've built they are tuned by either a variable capacitor or variable resistor - you turn it one way the frequency goes up the other way it goes down.

I would guess that if you don't like the way it goes reverse the wires. If it's built into the board you have a bigger problem but then I would just cut the traces and re-wire.

Am I missing something here?

de KI00T, Brad

-----  
Date: Thu, 10 Jun 1999 11:22:40 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: Morse.Express.Clients@edison.chisp.net,  
Morse.Express.Clients@edison.chisp.net, qrp-1@lehigh.edu, brasspounders@e-groups.com  
Subject: [42453] New Products at Morse Express  
Message-ID: <199906101721.LAA13831@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

We now have limited stocks of two new products, for which the wait has been long!

1. The SOX Key. This is a miniature hand-made brass straight key perfect for portable operation, from Tim Soxman, W3ZVT.

The SOX Key is a tiny delight to use. With the base and main parts machined from brass, it weighs in at a whopping 3 Ounces, INCLUDING the supplied cord and plug. The base measures 1" x 2" and the key stands 1.25" tall to the top of the knob. It's easily carried in pocket or purse, or you can even operate it hand-held! The attached cord is terminated in a 1/8" phone plug.

Where's the spring? It doesn't have one. Tension is magnetic, and is fully

adjustable via the screw just forward of the trunnion. The knob-over-base design insures that the key won't tip forward when in use, and in fact the SOX key has a very comfortable feel to it. It's 79.95 + s/h, and you can see a picture of it on the web at <http://www.MorseX.com/soxman>.

## 2. The MX-Sprint Keyer-Paddle.

Our first "in house product," the MX-Sprint is an integration of Wm M. Nye's SSK-001 Super Squeeze Key Paddle and Chuck Olson's PK-2 Memory Keyer.

The MX Sprint combines a very powerful and flexible electronic keyer with a rugged and reliable go-anywhere paddle for the ultimate in keying convenience-- just connect your rig's key line via the convenient RCA phono jack on the top. The battery is internal so there are no other wires to hook up.

The SSK-001 Paddle features gold-plated contacts, adjustable contact spacing and arm tension, and large, smooth fingerpieces. It has a heavy cast base with rubber feet, and a metal cover to protect the mechanism (and the keyer).

The PK-2 Keyer from Chuck Olson's Jackson Harbor Press has two separate 52 character memories PLUS callsign memory. Speed is controlled by a pot, and a single pushbutton switch provides for an "instant message" such as a CQ call as well as access to the programmable functions (in combination with the paddle). It has a side-tone oscillator and pot controlled OR programmable speeds from 5-39WPM. It will even tell you (in Morse) what speed is currently set. Also featured are program selectable A/B keying modes, and beacon send mode. The PK-2 Keyer in kit form is also available from Morse Express.

The MX Sprint weighs 2 Lbs and the base measures 3" wide by 4" long. Total length from rear to tip of paddles is 5 1/4" and height to the top of the speed control knob is 2 5/8." The Sprint requires a 9V battery for operation (not included). It's \$119.95 plus s/h, and you can see a picture of it on the web at <http://www.MorseX.com/mxsprint>.

Use our secure ordering facilities on the web site, or call (800)2388205 toll free to order by phone, or call (303) 7523382 for more information.

Morse Express:"Everything for the Morse Enthusiast..."

-----  
Date: Thu, 10 Jun 1999 12:44:19 -0500  
From: Karl.Kanalz@optelinc.com  
To: whowell@hq.nasa.gov  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [42454] Re: MFJ-118 Digital Clock Review  
Message-ID: <8625678C.0061CDB0.00@hdqsmtp01.optelinc.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

What\$ rea\$onable, Scott?

Seiko has a nifty desk clock with a map of the world and all the time zones indicated on it. Just touch the screen in the time zone you're interested in and the clock display immediately shows it (plus you can select display in 12- or 24-hour format!).

It costs about \$90....

One was given to me as a gift in February, 1993, and I just now replaced the AA batteries in my clock!

Karl K - W8TIF  
McKinney, Texas

Scott Howell <whowell@hq.nasa.gov> on 06/10/99 11:41:53 AM

Please respond to whowell@hq.nasa.gov

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: Re: MFJ-118 Digital Clock Review

Chuck and Qrp-1 friends, is there a clock out there that shows all the times in all the time zones which is affordable?  
If so any info?

tnx es 73 de Scott/n3byyy  
Laurel MD

-----  
Date: Thu, 10 Jun 1999 13:54:08 -0700  
From: Bob Kellogg <ae4ic@nr.infi.net>  
To: elecraft <elecraft@qth.net>  
Cc: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [42455] K2 >>> Super K2 !!!!!  
Message-ID: <376025F0.5EE686D3@nr.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Guys,

I just had more fun than a barrel of monkeys!!! Using the new Electaft Signal Trace procedure, I repaired my K2, which had an unusual problem.

I've been using my K2 and enjoying it for about three months, but some time ago, I had a chance to set it beside another K2, and it was obvious that the Receiver volume level on my rig was a little low. Also, I didn't like the way the filters sounded. At Dayton, I had a chance to compare it to several rigs, and there it was obviously not up to par with the other rigs.

Repairing something that isn't quite up to par is almost as difficult as trying to repair an intermittent. I rechecked every capacitor and resistor on the RF board, resoldered most of the solder joints etc., but nothing helped. Of course, I was still using the rig.

Eric told me that they were working on troubleshooting procedures, and later Wayne asked if I'd like to try the procedure to find my problem.

Wayne emailed me an early version of the procedure for signal tracing the receiver. It included instructions for building an RF probe and a simple signal generator. I built both from my junk box.

The procedure was very simple. The signal generator put a signal into the antenna of the rig, and using the RF probe I adjusted the signal level to .14 Volts on my DMM. Then, I went through each stage of the receiver, measuring Voltage and comparing my results to Wayne's guidelines. The only commercial piece of equipment I needed was a Digital Multi-Meter.

One area looked suspicious to me, so I took the K2 apart and began checking the value of every component in the area by removing them from the board. I was expecting a bad component, and then I noticed it. D39, a varactor diode in a T0-92 case looked like it was not lined up with it's outline on the board. A magnifying glass confirmed the error, so I removed it and put back correctly.

Whoa! What a difference. I called Wayne and told him I had D39 in backwards. He said, "Bob, that would cause the receiver output to be very low, and your filters will sound terrible!"

In fact it made about 10dB of difference. The best part of it is that I repaired it myself, just by following the signal tracing procedure and using some intuition. The procedure led me past parts of the rig that were working and focused my attention to the right area. (I later learned I chose that area for the wrong reason, but who cares!!?? :-))

I continued with the Signal Trace procedure, just to check everything else, and with Wayne only a phone call away, I was able to get a lot of insight into just how the K2 receiver works.

The only thing is, now I want to tweak every band using voltage measurements rather than listening to the rig. I won't be happy until it's adjusted perfectly. :-)

Also, I learned a lot of things about RF. When I started, I had the RF generator built ugly style on a little piece of copper-clad board. there were clip leads running to it for power and more clip leads carrying RF to the rig. (after all, this was a very low power operation)

As I worked, I began to notice that sometimes when I rechecked a voltage, it would be some different from an earlier measurement. Then I noticed that the measurement would sometimes depend on where I held my hands. Then I noticed that If I measured the RF generator's output at the generator, then at the rig, there was 30% difference just because of the foot of wire between the two measurements. A major part of the signal was radiating into the air and I was receiving it with my body and other misc. wires that were strung out all over the place. Some of it was getting to the K2. I know, you RF guys are rolling on the floor laughing by this time. You'd think that someone like me would know better... Oh, well.

So, I put the RF generator in a shielded enclosure, ran a short piece of coax to a BNC for the output, and set the generator level by measuring the voltage at the Antenna jack. Voltage levels settled down a lot.

Just for fun, I checked voltages with some of my fancier HP equipment,



and was very pleased to see a nice correlation with the home brew test equipment. I was not able to improve filter adjustments by using the professional equipment.

So, I'm a happy camper! Wayne and Eric are going to the nth degree to provide information and help to support the K2. This new Signal Tracing section will be a great addition to the manual. I would urge every K2 owner to try the procedure just to see what's happening inside the rig.

CUL,  
Bob Kellogg, AE4IC, Greensboro, NC  
Prolably, not Nececelery, - Benny Hill

-----  
Date: Thu, 10 Jun 1999 12:58:04 -0500  
From: George F Franklin <w0av@juno.com>  
To: jg1rvn@inv.co.jp  
Cc: qrp-l@Lehigh.EDU  
Subject: [42456] Re: NC20 cheap fix mods  
Message-ID: <19990610.125805.-294473.0.w0av@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello Toru

Thanks for your NC20 suggestions.

I had the same problem with the DC jack (high resistance and intermittent). I finally replaced it with a better jack.

The C11 modification is interesting. I will try that one soon.

72 de George/W0AV

-----  
Date: Thu, 10 Jun 1999 11:23:34 -0700 (PDT)  
From: Ron Stark <ku7y@dri.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [42457] Email via HF Packet  
Message-ID: <Pine.SOL.3.96.990610112101.13018A-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

A short time ago I had some info to a couple of WEB sites that had info on the packet system where you can get/send text based email via packet.

This was called something but I can't remember....some protocol name I think.

Now I can't find those sites again!

I'll trying to find out just what I need between the computer and the radio to make that work.

Thanks,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Thu, 10 Jun 1999 11:39:53 -0700  
From: "Bill Todd" <bill@willapabay.org>  
To: <nwq-l@scn.org>  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [42458] Field Day Listings - Update  
Message-ID: <002801beb370\$a2777780\$86added1@bill>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello Group(s) -

I can't believe it! Just a little over two weeks away folks...

I just updated my Field Day 99' QRP Club listings in order to help you locate a QRP operation in your area of the world. There are still many Clubs which are missing from the list, but I am certain that all QRP Clubs will have info on their Field Day plans on their respective web sites soon.

Have fun!

CUL, Bill-  
<http://www.willapabay.org/~bill>  
ICQ @ 8926298

-----  
Date: Thu, 10 Jun 1999 14:32:07 EDT  
From: Robspark@aol.com  
To: qrp-1@lehigh.edu  
Subject: [42459] AR 40m Net Results  
Message-ID: <412ac0f7.24915ea7@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="ISO-8859-1"  
Content-Transfer-Encoding: quoted-printable  
Content-Transfer-Encoding: quoted-printable

The AR-QRP Net last night had 4 QNIs. It was great to hear everyone! We had=20  
some new new QNIs which is great! As usual, I missed some ops due to the QRN=  
.=20

However, I have put in a special order for good cndx for the next net=85 Th=  
e=20

net began at 0030Z and ended at 0105Z. Thanks to those who participated! Her=  
e=20

are the stations that checked in:

AF5Z=09=09Bob  
KB5NJD=09John  
AG5P=09=09Walter  
N5IB=09=09Jim

Special note: We need replacement/fill-in NCS ops for the nets With summer=20  
vacation upon us, others are needed to keep the net going. If you can carry=20  
on a QSO in CW, you can handle the job of NCS! Email me and let me know if=20  
you could fill in some time as NCS for the 40m AR net. Thanks!

The NCS was Bob AB5ZD , using the AR QRP Club call NQ5RP, QTH Alexandria LA,=20  
running 5 watts to a G5RV up about 25 feet in pecan trees. Orientation of=20  
the ant wire is NNW to SSE. Following is a list of Arkansas QRP Club nets:

Monday Night=09=090030Z =09=093.560 mhz=20  
Wednesday Night =090030Z=09=097.042 mhz

Non-members are welcome (and encouraged) to QNI! =20

72,

Bob AB5ZD

-----  
Date: Thu, 10 Jun 1999 18:50:32 +0000  
From: wd8civ@att.net  
To: qrp-l@lehigh.edu (QRP-L Mailing List)  
Subject: [42460] Re: K2 >>> Super K2 !!!!!  
Message-ID: <19990610185055.DCCY11165@webmail.worldnet.att.net>

> The only thing is, now I want to tweak every band using voltage  
> measurements rather than listening to the rig. I won't be happy until  
> it's adjusted perfectly. :-)

Bob,

"Turn to the dark side!" (heh heh) It's so easy to focus on the technical details and measurable results, and completely neglect the reason we build things - so they can be used! (I design power meters (well, actually, I write software for them) for a living, and as we say at the office: "There comes a time in every design project when it becomes necessary to shoot the engineer." Some guys in the business have never believed in the term "good enough."

> A major part of the  
> signal was radiating into the air and I was receiving it with my body  
> and other misc. wires that were strung out all over the place. Some of  
> it was getting to the K2. I know, you RF guys are rolling on the floor  
> laughing by this time.

Nope - they're sheepishly glancing over their shoulders, hoping nobody remembers when they did the same things themselves. Sometimes they teach this stuff in school, but nobody ever believes it until they try it for themselves.

Congratulations! You've passed RF Electronics 101 and 102, as taught by the School of Hard Knocks!

Dave, WD8CIV

-----  
Date: Thu, 10 Jun 1999 14:57:38 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-l@lehigh.edu  
Subject: [42461] FIELD DAY ANTENNA  
Message-ID: <14739e33.249164a2@aol.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I am going to be putting up an antenna for 40M on field day and was wondering if there is any real advantage of one over the other (other than need for radials). The two in question are a pair of 1/4 wave verticals spaced 1/8 wave and 135 degrees out of phase OR an inverted vee with a reflector spaced AT 1/4 wave. Thanks...Alan KB7MBI

-----  
Date: Thu, 10 Jun 1999 15:14:53 -0400 (EDT)  
From: James Skalski <jskalski@localnet.com>  
To: Bryan Turner <turnerw@email.uah.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42462] Re: MFJ-118 Digital Clock Review  
Message-ID:  
<Pine.LNX.4.04.9906101514350.27235-1000000@valhalla.valhalla.buffalo.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I think they make great coasters.

73,

Jim n2go

-----  
Date: Thu, 10 Jun 1999 15:24:52 -0400 (EDT)  
From: James Skalski <jskalski@localnet.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42463] Re: MFJ-118 Digital Clock Review  
Message-ID:  
<Pine.LNX.4.04.9906101524390.27235-1000000@valhalla.valhalla.buffalo.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

oops!

73,

Jim

On Thu, 10 Jun 1999, James Skalski wrote:

> I think they make great coasters.  
>  
> 73,  
>  
> Jim n2go  
>  
>  
>

-----  
Date: Thu, 10 Jun 1999 15:40:15 -0400  
From: dfirlik@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [42464] Re: MFJ-118 Digital Clock Review  
Message-ID: <19990610.154032.-256393.0.dfirlik@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

On Thu, 10 Jun 1999 12:41:53 -0400 Scott Howell <whowell@hq.nasa.gov>  
writes:  
>Chuck and Qrp-1 friends, is there a clock out there that shows all the  
times in all the time zones which is >afordable?  
>If so any info?

Hey Scott,

I don't know of any clock the displays all 24 of the world time zones,  
however there is a computer program that comes close. It' called  
"WorldTime".

This program displays local and UTC time simultaneously (12 or 24 hour  
format) and you can select up to 10 addition time zones to be displayed  
with them. The specific time location can be specified by a Lat/Long  
entry. Any time you are connected to the Internet, the program will  
automatically update the time from one of several accurate time bases.  
The update interval and the time base are user selectable.

It also has alarm features, "TraQdate" which will provide the elapsed  
time from a given moment in the past or "time to go" to a specific moment

in the future, solar and lunar info for specific locations and probably a lot more that I haven't discovered as yet.

The latest version also has a "Time Calculator" to determine the time anywhere in the world.

This program is available at:

<http://www.felinefuture.com/ppg/wt/index.html>

The best part.....it's freeware.

Don K8AQZ  
Grand Rapids, Michigan

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Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

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Date: Thu, 10 Jun 1999 16:09:42 -0400  
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [42465] Re: Email via HF Packet  
Message-ID: <37601B86.2E85@arrl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ron Stark wrote:

> A short time ago I had some info to a couple of WEB sites  
> that had info on the packet system where you can get/send  
> text based email via packet.

> This was called something but I can't remember....some  
> protocol name I think.

> Now I can't find those sites again!

> I'll trying to find out just what I need between the  
> computer and the radio to make that work.

Ron,

Some of the info you need may be here:

<http://www.arrl.org/files/infoserv/tech/pack-int.txt>

73,  
Ed Hare, W1RFI

-----  
Date: Thu, 10 Jun 1999 15:12:19 -0500  
From: mahlon.r.haunschild@ac.com  
To: qrp-1@Lehigh.EDU  
Subject: [42466] FS: LDG Electronics AT-11 Auto. Antenna Tuner  
Message-ID: <8625678C.006E64BE.00@amrhm1101.ac.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

Hello, list.

My antenna requirements have changed, so I am selling my never-been-used (but assembled, and of course fully functional) LDG AT-11 automatic antenna tuner. It is installed in the Ten-Tec cabinet, and of course includes all paperwork.

I paid: \$190. Your price: \$145, mailed to your door (if you are domestic, that is). Contact me off-line if interested.

regards,

Mahlon - N4EEE

-----  
Date: Thu, 10 Jun 1999 14:13:54 -0600  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: "Kitchin, Charles" <Charles.Kitchin@analog.com>, qrp-1@Lehigh.EDU  
Subject: [42467] Re: ElmeRadio (Regen)  
Message-ID: <37601C82.A429AC94@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit



Charles

A 220pF for C3 made a substantial improvement in stability (regen isn't so touchy now), and resistance to overload is much better. Thanks for your help.

Changed the detector diode back to a 1N34A. That 1N5817 was loud, but made the audio sound muffled--first impressions are sometimes no more than wishful thinking.

Bruce kk7zz

> Hi Bruce.  
> I just thought of something that I forgot to mention. You may wish to try  
> reducing the value of capacitor C3 from 1000pF to maybe 200pF or so. This will  
> reduce the amount of regeneration and possibly prevent some of the overload  
> problems you are having. You might also be able to use a smaller R1 value then,  
> if you wish.

-----  
Date: Thu, 10 Jun 1999 13:21:25 -0700  
From: "Russ Carpenter" <russ@natworld.com>  
To: "QRP-L List" <qrp-l@lehigh.edu>  
Subject: [42468] Results of the JUNE SPARTAN SPRINT  
Message-ID: <199906102000.NAA26048@guppy.pond.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

The June Spartan Sprint was mighty fine. This was our first "wide open" sprint, allowing sprinters to operate on 80 through 10 meters. Judging from the high levels of activity of 40, 20, and 15 meters, it was a good change.  
>From now on, the Spartan Sprints will be five-band affairs. Thanks to Joel, K1QM, for the recommendation.

If you didn't tell us how much your station weighed, or if your stations weighed more than King Kong, we stipulated a weight of 30 pounds.

The Soapbox makes fascinating reading. It has been published separately in the June edition of The ARS Sojourner at <http://www.natworld.com/ars>.

THE SKINNY DIVISION (results sorted in order of points per pound of station weight)

Call	Name	80m	40m	20m	15m	10m	Total Qs	Wt.	Qs/ Pound
K6PZB	John	0	10	13	0	0	23	.8	28.75
W5RXP	Rich	0	0	32	0	0	32	1.6	20.00
AA7QU	Russ	0	7	33	0	0	40	2.7	14.81
AA4XX	Paul	0	11	15	0	0	26	2.2	11.82
K0Y0	Mike	0	0	11	0	0	11	1.0	11.00
K1QM	Joel	0	2	20	2	0	24	3	8.00
KI6SN	Richard	0	10	0	0	0	10	1.8	5.56
K8CV	Walt	0	34	0	0	0	34	10	3.40
AA8PJ	Jeff	0	7	3	0	0	10	3	3.33
WA4SQM	Ken	0	3	12	2	0	17	6.5	2.62
KD3FG	Jon	0	7	5	0	0	12	5	2.40
AA8WQ	Paul	0	9	0	0	0	9	4	2.25
AA2VX	Mike	0	0	13	0	0	13	6	2.17
KH6B	Dean	0	0	5	8	0	13	6	2.17
N0IBT	Dave	0	1	14	2	0	17	8.5	2.00
W3KC	Charles	0	14	9	0	0	23	12	1.92
K07X	Alan	0	12	31	9	0	52	30	1.73
NQ9RP	Club	0	2	16	0	0	18	15	1.20
W7SNV	Al	0	3	3	0	0	6	5.2	1.15
VE6AAN	Pat	0	0	5	0	0	5	5	1.00
N9BPE	Carl	0	2	9	0	0	11	12	0.92
K7GT	Allan	0	10	7	10	0	27	30	0.90
VE3JC	John	0	3	8	2	0	13	15	0.87
N3AO	Carter	0	11	6	0	0	17	20	0.85
KI0MZ	Steve	0	0	0	8	0	8	10	0.80
W9SUL	Dave	0	3	21	0	0	24	30	0.80
AC5K	Wes	0	3	13	7	0	23	30	0.77
WT9S	Jay	0	0	0	3	0	3	15	0.20
NA1XX	Mike	0	2	1	0	0	3	30	0.10

THE TUBBY DIVISION (results sorted in order of points)

Call	Name	80m	40m	20m	15m	10m	Total Qs
K07X	Alan	0	12	31	9	0	52
AA7QU	Russ	0	7	33	0	0	40
K8CV	Walt	0	34	0	0	0	34
W5RXP	Rich	0	0	32	0	0	32
K7GT	Allan	0	10	7	10	0	27
AA4XX	Paul	0	11	15	0	0	26
K1QM	Joel	0	2	20	2	0	24
W9SUL	Dave	0	3	21	0	0	24
W3KC	Charles	0	14	9	0	0	23
K6PZB	John	0	10	13	0	0	23

AC5K	Wes	0	3	13	7	0	23
NQ9RP	Club	0	2	16	0	0	18
N0IBT	Dave	0	1	14	2	0	17
WA4SQM	Ken	0	3	12	2	0	17
N3AO	Carter	0	11	6	0	0	17
AA2VX	Mike	0	0	13	0	0	13
KH6B	Dean	0	0	5	8	0	13
VE3JC	John	0	3	8	2	0	13
KD3FG	Jon	0	7	5	0	0	12
N9BPE	Carl	0	2	9	0	0	11
K0YO	Mike	0	0	11	0	0	11
AA8PJ	Jeff	0	7	3	0	0	10
KI6SN	Richard	0	10	0	0	0	10
AA8WQ	Paul	0	9	0	0	0	9
KI0MZ	Steve	0	0	0	8	0	8
W7SNV	Al	0	3	3	0	0	6
VE6AAN	Pat	0	0	5	0	0	5
NA1XX	Mike	0	2	1	0	0	3
WT9S	Jay	0	0	0	3	0	3

Thanks for your support of Adventure Radio Society! Don't miss the July Spartan Sprint on July 5 and The Flight of the Bumblebees on July 25.

Russ Carpenter, AA7QU  
Contest Manager

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Date: Thu, 10 Jun 1999 16:08:02 -0500  
From: mahlon.r.haunschild@ac.com  
To: qrp-l@Lehigh.EDU  
Subject: [42469] SOLD! LDG Electronics AT-11 Auto. Antenna Tuner  
Message-ID: <8625678C.00744F24.00@amrh1101.ac.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

The tuner is sold.

Thanks for your interest.

regards,

Mahlon - N4EEE

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Date: Fri, 11 Jun 1999 08:25:47 +1000  
From: "Ian C. Purdie" <purdic@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [42470] copper clad laminate  
Message-ID: <37603B6B.F813B40B@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

sergio wrote:

> i stopped down at shearing this morning..  
>  
> wanted to let the shearing lady know that i wanted to , , , , , ,  
  
Send her down to Australia. Does she use a wide comb or what <g>

Sorry

Ian

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End of QRP-L Digest 1484

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